

Environmental Functional Review (EFR) Future Direction

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Presentation

- **EFR Background**
- **EFR Data**
- **How to Improve?**
- **Future Direction?**

Environmental Functional Reviews (EFR)

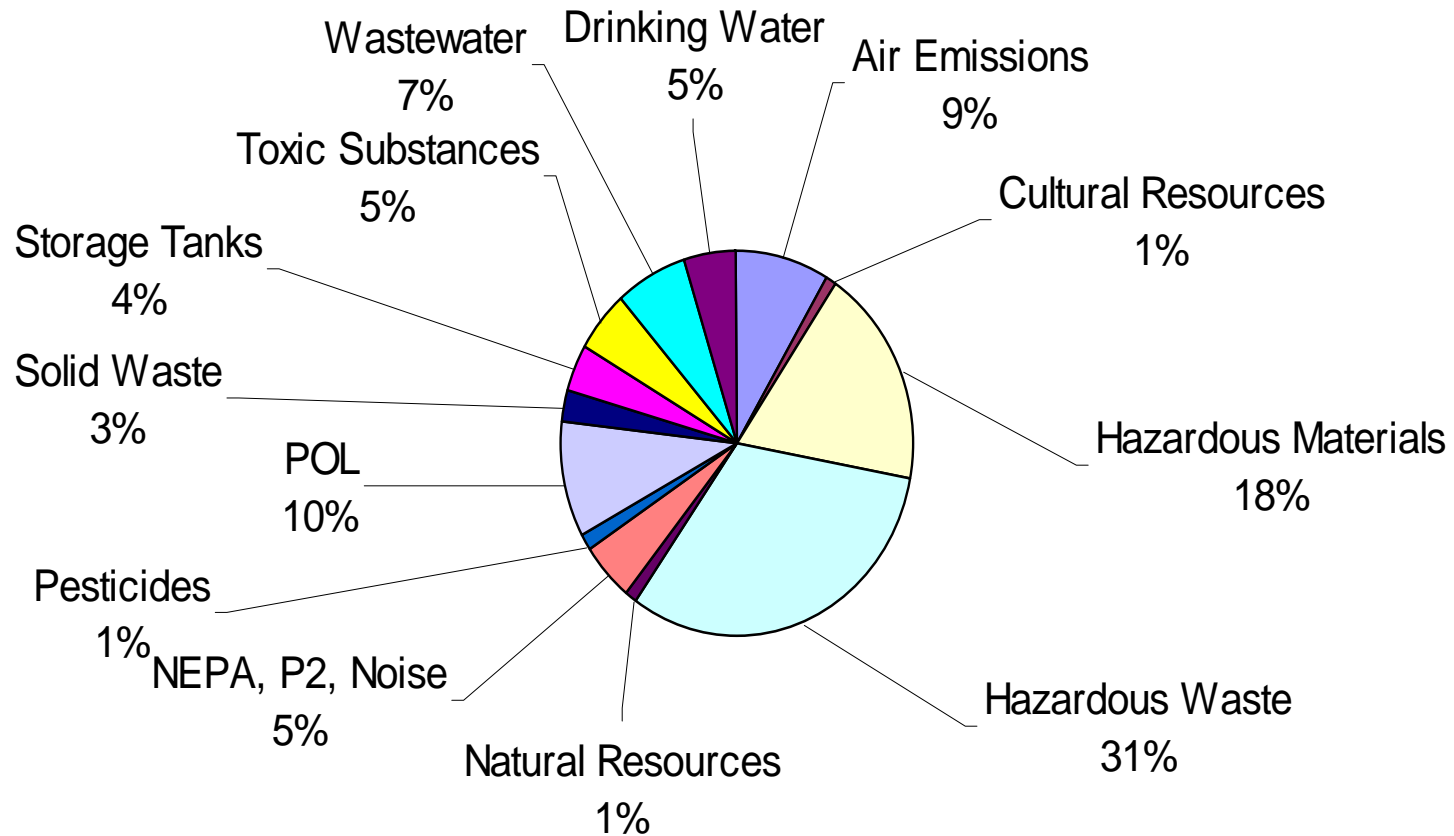
- **EFR consists both of management and technical reviews**
 - **Management EMS review includes discussions with program, facilities, budget, legal, safety, and procurement reps**
 - **NASA HQ contractor performs technical review across the facility**
 - **All NASA Centers on 3 year cycle**
- **EFR also includes energy and water conservation**

EFR Technical Reviews

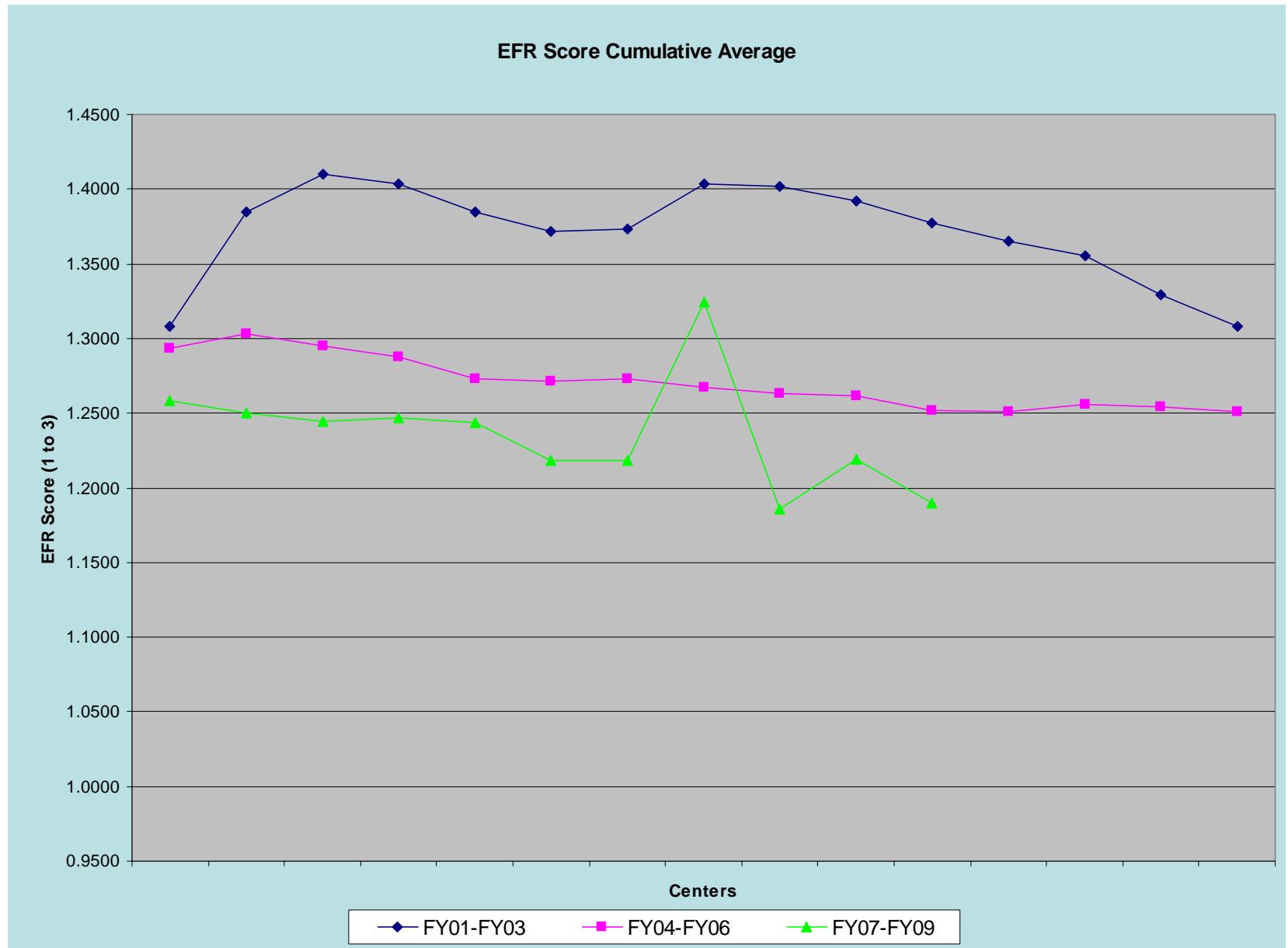
- **Technical Review uses US Army Construction Engineering Research Laboratory (CERL) TEAM protocols**

- **Air Emissions**
- **Cultural Resources**
- **Hazardous Materials**
- **Hazardous Waste**
- **Natural Resources**
- **Other Environmental Issues (NEPA, P2, Noise)**
- **Pesticides**
- **Petroleum, Oil, and Lubricant**
- **Solid Waste**
- **Storage Tanks**
- **Toxic Substances**
- **Wastewater**
- **Water Quality**

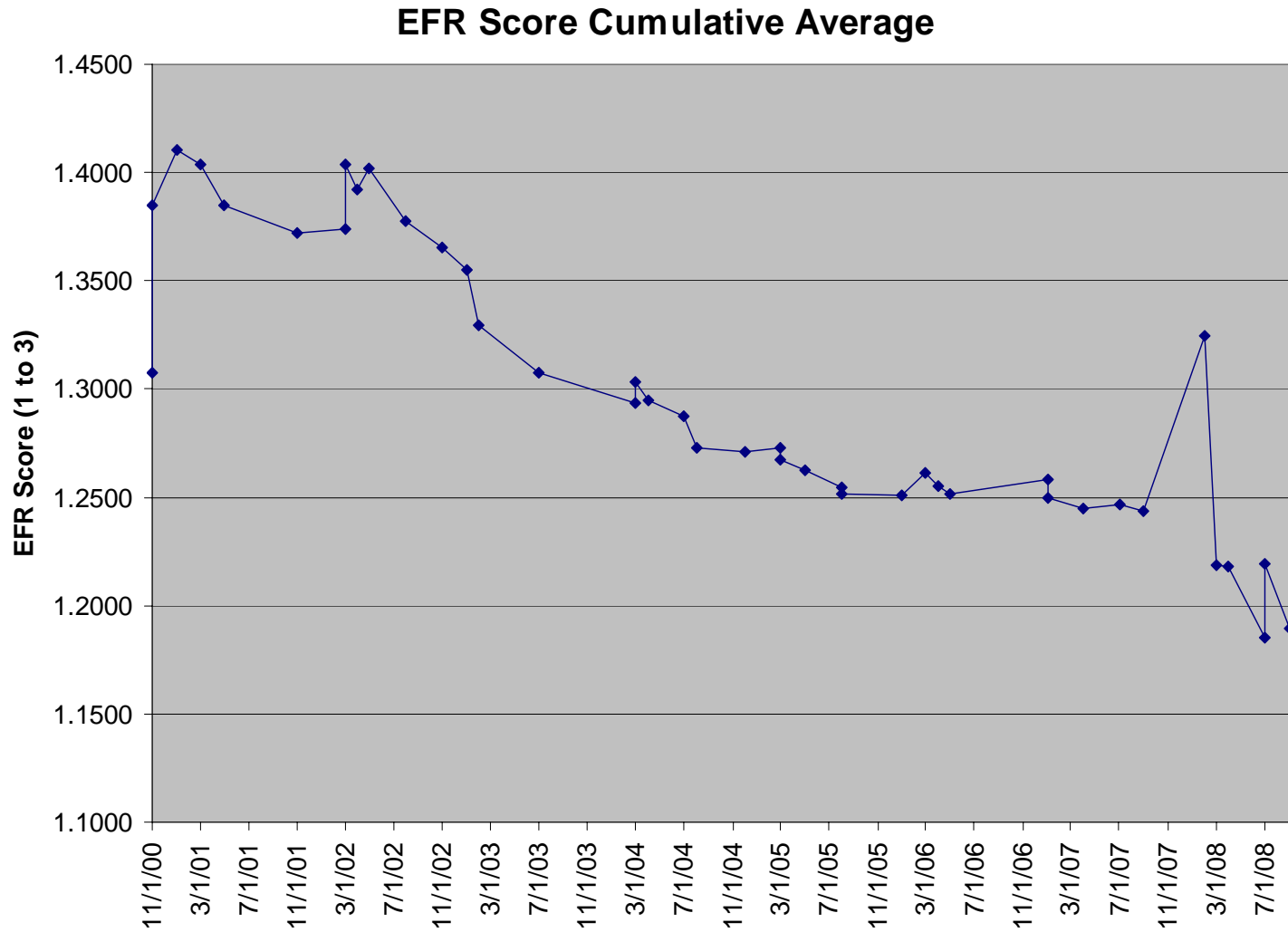
Summary of Technical Findings



EFR Technical Health Indicators



EFR Technical Health Indicators



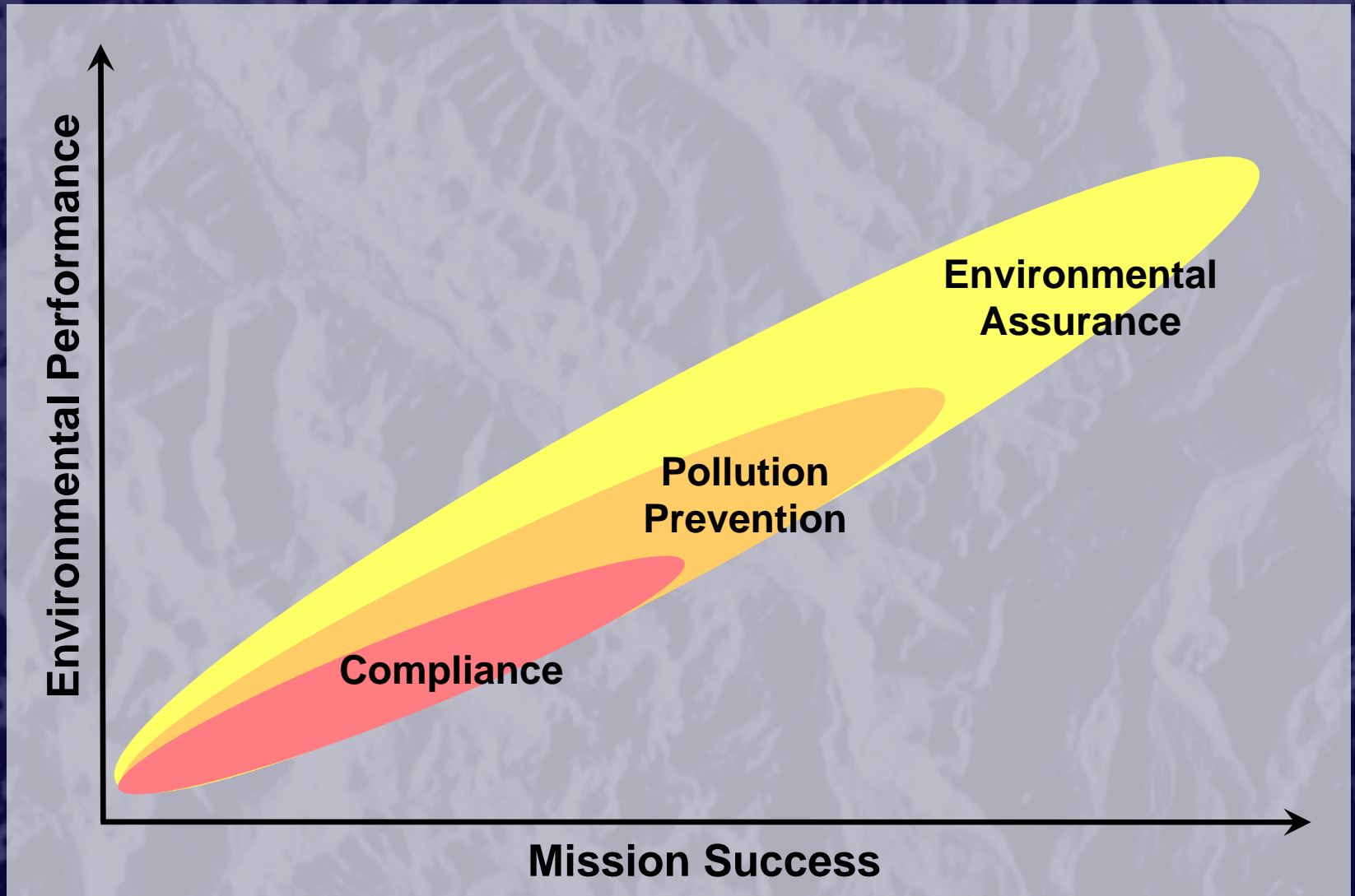
EFR Trend Summary

- **NASA Environmental Compliance Programs Are Maturing**
- **EMS's are also improving**
- **Still Significant Effort to Maintain**

What's Next?

- **The Way We View Environmental Management Must Change**
- **Relevance Takes More than Just Compliance**

Environmental Management



To Be Relevant

- **Continue/improve Compliance**
- **Provide Value to Center:**
 - **Environmental Functions**
 - **Center Operations and Mission Support**
 - **Programs and Projects**

Areas of Opportunity for the EFR

- Trending
- Risk
- Sharing Lessons Learned and Successes
- Learn From Each Other



Comments and Questions?

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